



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No.: 10/628,651
Filed: July 28, 2003
Group Art Unit: 1742
Examiner: Sikyin Ip
Applicant: Joseph W. Harris
Title: PHOSPHORUS-COPPER BASE BRAZING ALLOY
Attorney Docket: JWH-59US
Confirmation No.: 4424

AFFIDAVIT OF LINDA MORGAN UNDER 37 C.F.R. § 1.132, ¶ 1

My name is Linda Morgan. I am a Metallographer at the J.W. Harris Co., and have held that position for the last 10 years. I have been employed by J.W. Harris Co. for a total of 10 years.

I have reviewed the PL 149319 reference, and was requested to make brazing pastes in accordance with the teachings of that reference. To form a paste using 80% alloy powder and 20% carrier, I made the following calculations:

For a 25g alloy sample:

alloy = 80% by mass

$25g = 80\% (x)$

where x = total mix

$x = 25g / 80\% = 31.25g$ total

total - alloy = carrier

$31.25 - 25g = 6.25g$ carrier

Carrier is: 80% water = $0.8 \times 6.25g = 5g$

18% glucose = $0.18 \times 6.25g = 1.125g$

2% Mc cellulose = $0.02 \times 6.25g = 0.125g$

total = 6.25g

I made a paste using 80% alloy powder (25g) and 20% carrier (6.25g) for each of alloys A-K, which were provided to me in powder form. Thus, I followed the teachings of the reference exactly as set forth therein.

Further declarant saycth naught.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

IN WITNESS WHEREOF, I hereto set my hand and seal at Warren County, Ohio
this 31st day of August, 2005.

Linda Morgan
Linda Morgan

STATE OF OHIO:

:ss.

COUNTY OF HAMILTON;

Before me 31st day of August, 2005, personally appeared Linda Morgan, known to me to be the person whose name is subscribed to the foregoing and acknowledged that she executed the same as her free act and deed for the purposes therein contained.

Rosemary L. Wiley
Notary Public

My Commission Expires: 23 October 2005

[Notary's Seal Here]

ROSEMARY L. WILEY
Notary Public, State of Ohio
My Commission Expires Oct. 23, 2005

ROSEMARY L. WILEY
Notary Public, State of Ohio
My Commission Expires Oct. 23, 2005